

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|---|------------------|---------|------------------|
| L22 | 917410 | H01L021/\$.ipc. c23C016/\$.ipc. H01T023/\$.ipc. C23F001/\$.ipc. H01H023/\$.ipc. G05D011/\$.ipc. H05H001/\$.ipc. | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:12 |
| L23 | 165 | L22 and (cool\$3 same he) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 10:01 |
| L24 | 50 | 23 and plasma | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:59 |
| L25 | 7 | 24 and (orifice aperture hole) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:59 |
| L26 | 2 | 23 and (orifice aperture) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:20 |
| L27 | 0 | 24 and (orifice aperture) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:59 |
| L28 | 2 | 23 and (aperture orifice) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:59 |
| L29 | 20 | L22 and (he same cool\$3) and (orifice aperture hole) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 12:36 |
| L30 | 1 | "6015595".pn. | EPO; JPO; DERWENT | OR | ON | 2005/06/14 12:37 |
| L31 | 2 | "6015595".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/06/14 12:37 |
| L32 | 229604 | 165/345.53.ccls. 118/724.ccls. "137"/\$.ccls. 156/643.1.ccls. 361/234.ccls. 361/115.ccls. 361/23. ccls. 279/128.ccls. 34/493.ccls. 34/497.ccls. 34/565.ccls. 34/92.ccls. 34/192.ccls. 34/210.ccls. 438/706. ccls. 438/712.ccls. 438/729.ccls. 438/730.ccls. 438/731.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 13:50 |
| L33 | 765 | L32 and cool\$3 near (wafer chuck susceptor pedestal cathode substrate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 13:50 |
| L34 | 362 | L33 and (Helium or (heat adj transfer adj gas)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 13:50 |

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| L35 | 59 | L34 and (bleed bypass purge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 13:50 |
| L36 | 57 | L35 and @ad<"20040621" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 15:40 |
| L38 | 2 | "6254683".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 15:29 |
| L39 | 25 | 36 and throughput | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 15:40 |
| L41 | 74397 | L22 and plasma | EPO; JPO; DERWENT | OR | ON | 2005/06/14 16:22 |
| L42 | 11763 | L41 and (wafer (dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) same (Flow same change)) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 19:32 |
| L43 | 6 | L42 and (controller and Helium) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 16:22 |
| L44 | 10 | L41 and ((dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) same (Flow same change)) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 16:25 |
| L46 | 0 | L41 and (throughput and evacuation and exhaust) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 19:33 |
| L47 | 814 | L41 and throughput | EPO; JPO; DERWENT | OR | ON | 2005/06/14 19:33 |
| L48 | 18 | 47 and (helium or He) | EPO; JPO; DERWENT | OR | ON | 2005/06/14 19:33 |
| S1 | 2 | "5609720".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 15:29 |

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| S2 | 17 | "5609720".pn. "5715132".pn. "5761023".pn. "5835334".pn. "5937541".pn. "5992046".pn. "6245192".pn. "6320736".pn. "6373679".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 17:50 |
| S3 | 4 | "5350479".pn. "5748435".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 17:57 |
| S4 | 9660 | gao.in. mcmillin.in. denty.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:08 |
| S5 | 1114 | S4 and plasma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 17:58 |
| S6 | 18 | S5 and (temperature near4 control) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:01 |
| S7 | 26 | S5 and (wafer same temperature) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:02 |
| S8 | 0 | (Qinghong adj gao).in. (brian adj mcmillin).in. (bill adj denty).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:10 |
| S9 | 0 | (Qinghong adj gao).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:10 |

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|-----|--------|--|---|----|----|------------------|
| S10 | 9364 | gao.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:10 |
| S11 | 1064 | S10 and plasma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:10 |
| S12 | 989 | S11 and (wafer temperature) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:11 |
| S13 | 33 | S12 and (gas near4 pressure) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:16 |
| S14 | 10 | denty.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:19 |
| S15 | 286 | mcmillin.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/10 18:20 |
| S16 | 229577 | 165/345.53.ccls. 118/724.ccls. "137"/\$.ccls. 156/643.1.ccls. 361/234.ccls. 361/115.ccls. 361/23. ccls. 279/128.ccls. 34/493.ccls. 34/497.ccls. 34/565.ccls. 34/92.ccls. 34/192.ccls. 34/210.ccls. 438/706. ccls. 438/712.ccls. 438/729.ccls. 438/730.ccls. 438/731.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 15:31 |
| S17 | 8677 | S16 and (wafer chuck susceptor pedestal cathode substrate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 14:56 |

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|-----|------|------------------------------------|---|----|----|------------------|
| S18 | 2164 | S17 and (temperature same control) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 14:57 |
| S19 | 865 | S18 and (cool\$3 same gas) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 14:58 |
| S20 | 13 | S19 and de-chuck\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 09:32 |
| S21 | 22 | S19 and dechuck\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 15:45 |
| S22 | 20 | S21 not S20 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 15:45 |
| S23 | 1 | S19 and (gas near8 dechuck) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 16:24 |
| S24 | 571 | S18 and (gas near8 cool\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 16:26 |
| S25 | 171 | S24 and (dechuck lift) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 16:27 |

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| S26 | 213 | S24 and (dechuck lift\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 16:35 |
| S27 | 213 | S26 and ad<"20020621" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 16:36 |
| S28 | 184 | S26 and @ad<"20020621" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 18:14 |
| S29 | 3 | S28 and bleed | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/11 18:14 |
| S30 | 229577 | 165/345.53.ccls. 118/724.ccls. "137"/\$.ccls. 156/643.1.ccls. 361/234.ccls. 361/115.ccls. 361/23. ccls. 279/128.ccls. 34/493.ccls. 34/497.ccls. 34/565.ccls. 34/92.ccls. 34/192.ccls. 34/210.ccls. 438/706. ccls. 438/712.ccls. 438/729.ccls. 438/730.ccls. 438/731.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 09:33 |
| S31 | 8677 | S30 and (wafer chuck susceptor pedestal cathode substrate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 10:09 |
| S32 | 2164 | S31 and (temperature same control) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 09:33 |
| S33 | 865 | S32 and (cool\$3 same gas) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 09:33 |

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|-----|--------|---|---|----|----|------------------|
| S34 | 8 | S33 and (gas near5 bleed) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 09:53 |
| S35 | 3 | S33 and ((cool\$3 adj gas) near7 (bleed purge)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 09:50 |
| S36 | 69 | S33 and (gas same (bleed purge)) and throughput | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 09:55 |
| S37 | 764 | S30 and cool\$3 near (wafer chuck susceptor pedestal cathode substrate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 10:09 |
| S38 | 164993 | S37 and Throughput and gas (purge bleed) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 12:02 |
| S39 | 228 | S37 and Throughput | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 10:13 |
| S40 | 39 | S39 and gas near7 (bleed purge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 10:18 |
| S41 | 344 | S32 and (gas near8 distribution) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 10:20 |

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| S42 | 79 | S41 and gas near8 (bleed purge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 11:40 |
| S43 | 10 | ("5203958" "5458687" "5673750" "5904776" "5981913" "6012509" "6033478").PN. OR ("6254683").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/06/13 11:50 |
| S44 | 362 | S37 and (Helium or (heat adj transfer adj gas)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 12:24 |
| S45 | 59 | S44 and (bleed bypass purge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 13:49 |
| S46 | 82 | S37 and (Helium or (heat adj transfer adj gas)) and (gas adj (distribution delivery)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 12:26 |
| S47 | 0 | S46 not S44 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 12:27 |
| S48 | 76 | S46 and @ad<"20020621" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 12:27 |
| S49 | 2 | "5320982".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 13:18 |

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|-----|--------|---|---|----|----|------------------|
| S50 | 234244 | 165/345.53.ccls. 118/724.ccls. "137"/\$.ccls. 156/643.1.ccls. 361/234.ccls. 361/115.ccls. 361/23. ccls. 279/128.ccls. 34/493.ccls. 34/497.ccls. 34/565.ccls. 34/92.ccls. 34/192.ccls. 34/210.ccls. 438/706. ccls. 438/712.ccls. 438/729.ccls. 438/730.ccls. 438/731.ccls. 118/715.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 15:32 |
| S51 | 11983 | S50 and (orifice same control\$3 same flow) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 15:35 |
| S52 | 138 | S51 and plasma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 17:18 |
| S53 | 4459 | S50 and plasma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 15:36 |
| S54 | 1079 | S53 and (Helium or (heat adj transfer adj gas)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 15:37 |
| S55 | 39 | S54 and (orifice same flow same control\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 16:25 |
| S56 | 241 | S54 and Helium same (orifice or flow same control\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 16:54 |
| S57 | 236 | S56 and chamber | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 16:28 |

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| S58 | 1774547 | S57 and helium (bleed exhaust vacuum) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 16:27 |
| S59 | 191 | S57 and @ad<"20020621" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 16:28 |
| S60 | 23 | S54 and Helium same orifice | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 16:55 |
| S61 | 46 | ("4565601" "4567938" "4703153" "4778559" "4793975" "4797009" "4842683" "5231690" "5252807" "5280156" "5306895" "5343938" "5350720" "5431421" "5482558" "5516367" "5520742" "5522934" "5536322" "5556474" "5558717" "5589224" "5633073" "5656093" "5688331" "5705080" "5720818" "5730803" "5766363" "5775416" "5796074" "5800618" "5846332" "5935334" "5968379" "5994678").PN. OR ("6189482"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/06/13 17:03 |
| S62 | 3530 | S51 and (dechuck\$3 or remov\$3 or lift\$3 or releas\$3 or declamp\$3) same Flow same (increas\$3 or Rais\$3 or Ris\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 17:20 |
| S63 | 31 | S62 and plasma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/13 17:45 |
| S64 | 917410 | H01L021/\$.ipc. c23C016/\$.ipc. H01T023/\$.ipc. C23F001/\$.ipc. H01H023/\$.ipc. G05D011/\$.ipc. H05H001/\$.ipc. | EPO; JPO; DERWENT | OR | ON | 2005/06/14 09:11 |
| S65 | 74397 | S64 and plasma | EPO; JPO; DERWENT | OR | ON | 2005/06/13 17:54 |

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|-----|-------|--|-------------------|----|----|------------------|
| S66 | 18 | S65 and (orifice same control\$3 same flow) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:39 |
| S67 | 0 | S65 and (helium or (heat adj transfer adj gas)) and (orifice same control\$3 same flow) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:02 |
| S68 | 771 | S65 and (helium or (heat adj transfer adj gas)) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:02 |
| S69 | 0 | S68 and (orifice same control\$3 same flow) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:03 |
| S70 | 1 | S68 and orifice | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:03 |
| S71 | 0 | S65 and (helium same orifice) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:06 |
| S72 | 379 | S65 and orifice | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:06 |
| S73 | 286 | S72 and gas | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:32 |
| S74 | 0 | S72 and (heat adj transfer adj gas) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:07 |
| S75 | 9 | S72 and (Helium or (cool\$3 near gas)) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:34 |
| S76 | 0 | S72 and (dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) same (Flow same chang\$3) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:37 |
| S77 | 21 | S72 and (dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:37 |
| S78 | 10 | S65 and (dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) same (Flow same change) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:41 |
| S79 | 11763 | S65 and (wafer (dechuck\$3 or remov\$3 or lift\$3 or declamp\$3 or releas\$3) same (Flow same change)) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:41 |
| S80 | 441 | S79 and controller | EPO; JPO; DERWENT | OR | ON | 2005/06/14 16:21 |
| S81 | 14 | S80 and (He Helium) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:47 |
| S82 | 0 | S79 and (controller same helium same He) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:53 |
| S83 | 34 | S79 and (controller same Pressure same Flow) | EPO; JPO; DERWENT | OR | ON | 2005/06/13 18:54 |